SPECTRE

CONNECT.
COMMUNICATE.
SURVIVE.

HOVERFLY SPECTRE (2.0) is a VTOL multirotor TeUAS powered from the ground using a highly engineered resilient tether. As a persistent, multi-payload, aerial platform it is currently used for ISR, Communications Relay (VHA), and Counter-UAS. With rapid deployment and rapid collapse, it can be mounted on and operated from moving vehicles, on the ground, and on buildings, to enhance and enable new missions. Hoverfly Spectre is the key to reliable communications and survivability while on the move.

SPECIFICATIONS

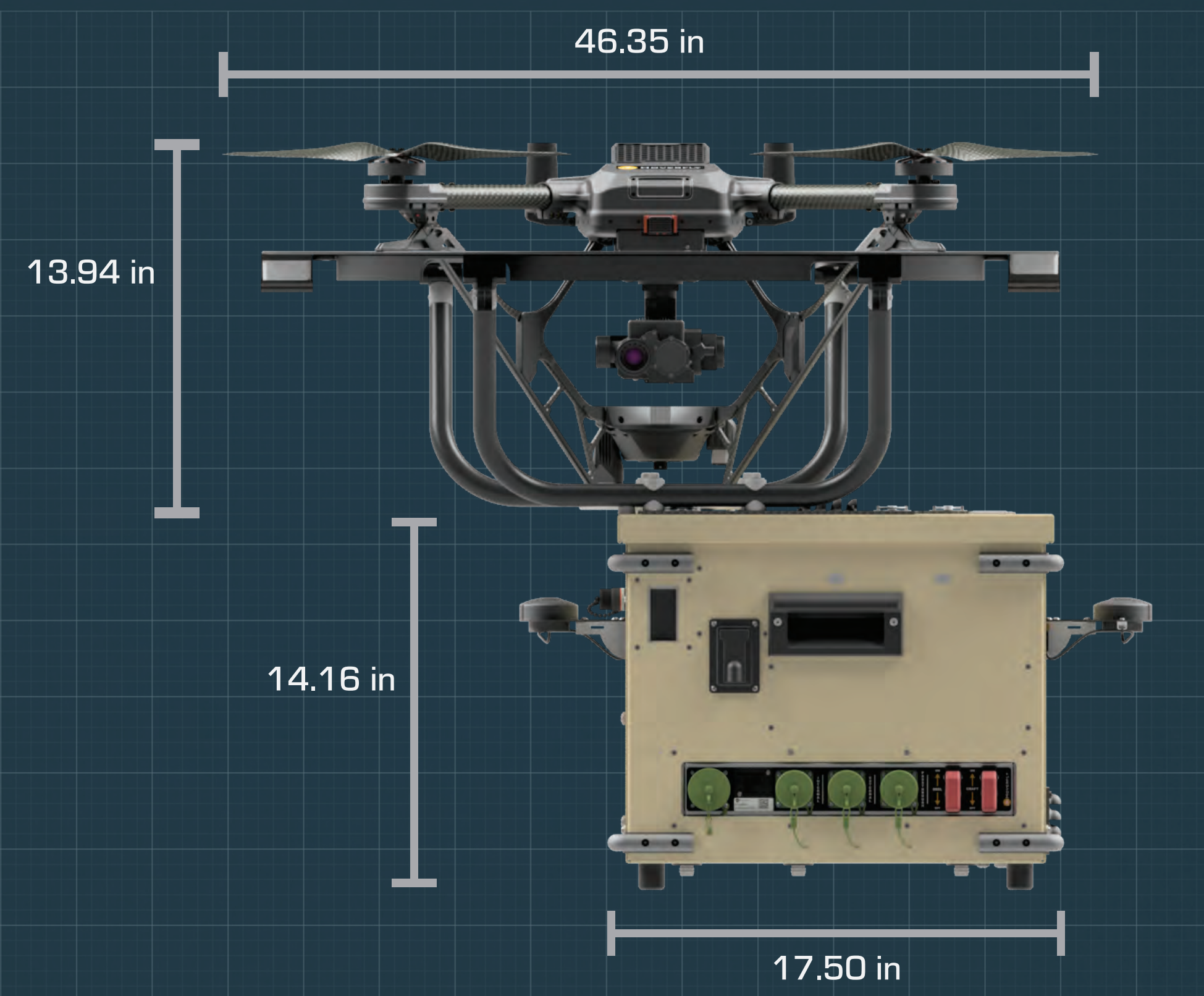|	
PAYLOAD CAPACITY	8 lbs; dependent on payload power consumption and environmental conditions
FLIGHT DURATION	Continuous - 1500 hour maintenance
OPERATING ALTITUDE	60 meters / 200 feet
ENVIRONMENTAL	Weather Resistant (meets MIL 810)
WIND TOLERANCE	Sustained - 25 mph | Gusts - 30 mph
WEIGHT	Craft|Base - 8.8 lbs/4.0 kg | 70 lbs/32 kg
CONTROL	Ruggedized tablet, PC, ATAK, RaptorX, SDK
LAUNCH/RECOVERY	Quick attachment no-tool landing ring
POWER	< 2000 Watts continuous, 2400W peak
TRANSPORT	2 cases total weight - 175 lbs /79 kg
SETUP TIME	< 10 minutes from case to altitude
MAINTENANCE	Field Replacement with spares kit

FEATURES

- On-The-Move (OTM) mobile operation - move, communicate, move
- All Weather GPS Denied - GPS Jam/Spoof detect and mitigation
- Precision Landing - Launch and recovery from 1-meter ring
- Open payload architecture for rapid integration
- Battery backup in Aircraft and Base with auto-landing on power loss
- Autonomous launch/flight/land
- Minimal training - No piloting needed
- Durable composite construction
- MIL-STD-461 Compliant
- No RF emission - all command and control payload data over secure tether

Hoverfly®

DESIGNED FOR INTEGRATION

46.35 in

13.94 in

14.16 in

17.50 in

GENERAL

- Multi-payload capable - two radios, or a radio and ISR payload
- Electronic Warfare/Counter-UAS payload integration
- Designed for rapid radio integration
- Rapid connectivity while on the move
- Field-swappable open architecture payload bay
- Custom payload integrations available
- .NET SDK and REST API available
- AMAG Certified
- Handheld tablet and network control

EW/CUAS

Electronic warfare and counter-UAS payloads offer persistent network surveillance and rapid target detection and identification.

- CACI Firebeast
- Echodyne Radar*
- Matrix Space Radar*

VHA

Communications relay device integrated on variable height antenna extends range by dozens of miles/km. Uninterrupted, wireless communications ready for front line needs.

- TrellisWare TSM/TSMX MANET
- Silvus StreamCaster MN-MIMO/MANET
- Persistent Systems MPU5 MANET
- Domo Tactical MESH & SDR
- Ultra ORION X630 LPI/LPD
- L3 Harris PRC 152/161/163
- goTenna Pro X

ISR

Increase situational awareness and provide persistent ISR at 200 feet. Reinforce base security, identify targets on the move, or team with other unmanned systems.

- Standard PTZS EO/IR
- Compatible Advanced ISR Gimbals:
  - NextVision Raptor EO/IR
  - Logos Technologies MicroKestrel WAMI
  - Trillium Orion HD40-LV/HD45-LV
  - Trillium HD55-VV/HD95-MVS-LD*
  - CONTROP MSTAMP*
  - DRS STAG IV*

*integration coming soon

HOVERFLYTECH.COM   407-985-4500

HOVERFLY®